

From: [Restivo, Angela](#)
To: [R6HarveyInfo](#)
Subject: FW: OW Management Report for Hurricane Harvey for 8/26/2017
Date: Saturday, September 9, 2017 3:12:30 PM
Attachments: [OW Management Report_Harvey_08262017.docx](#)

From: Ngo, Kim
Sent: Saturday, August 26, 2017 2:12 PM
To: Restivo, Angela <Restivo.Angela@epa.gov>
Subject: FW: OW Management Report for Hurricane Harvey for 8/26/2017

Forgot to cc

From: Ngo, Kim
Sent: Saturday, August 26, 2017 2:10 PM
To: Tingley, Kevin <Tingley.Kevin@epa.gov>; Smalley, Bryant <smalley.bryant@epa.gov>; Foster, Nichole <Foster.Nichole@epa.gov>; Carroll, Craig <Carroll.Craig@epa.gov>
Cc: Brown, Jamesr <brown.jamesr@epa.gov>; McCasland, Mark <McCasland.Mark@epa.gov>
Subject: RE: OW Management Report for Hurricane Harvey for 8/26/2017

Thanks Kevin, I'm forwarding the OW Report to the REOC also. We appreciate the heads up.

From: Tingley, Kevin
Sent: Saturday, August 26, 2017 1:37 PM
To: Brown, Jamesr <brown.jamesr@epa.gov>; Casillas, Laura <Casillas.Laura@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>; Forsgren, Lee <Forsgren.Lee@epa.gov>; McCasland, Mark <McCasland.Mark@epa.gov>; Ngo, Kim <Ngo.Kim@epa.gov>; Oh, Peter <Oh.Peter@epa.gov>; OW SES Managers and Supervisors <OW_SES_Managers_and_Supervisors@epa.gov>; Restivo, Angela <Restivo.Angela@epa.gov>; Rodriguez, Jose <Rodriguez.Jose@epa.gov>; Waite, Andrew <Waite.Andrew@epa.gov>; Young, Dwane <Young.Dwane@epa.gov>; Fencil, Jeffrey <Fencil.Jeffrey@epa.gov>; Goldbloom-Helzner, David <Goldbloom-Helzner.David@epa.gov>; Ison, Dawn <ison.dawn@epa.gov>; Liguori, Alex <liguori.alex@epa.gov>; Pickard, Brian <Pickard.Brian@epa.gov>; Senft, Lea <senft.lea@epa.gov>; Tingley, Kevin <Tingley.Kevin@epa.gov>
Subject: OW Management Report for Hurricane Harvey for 8/26/2017

OW Managers,

Please see the attached (and pasted below) OW Management Report for Hurricane Harvey for 8/26/2017.

If you know anyone who should be added to this distribution list, or if you have any questions, please let me know.

Thanks,

-Kevin

Kevin Tingley
US Environmental Protection Agency
Water Security Division
1200 Pennsylvania Ave NW (4608T)
Washington, DC 20460

202-564-4619 (o)

202-689-9402 (c)

**OW Management Report for
Hurricane Harvey
August 26, 2017**

Background: Harvey made landfall as a Category 4 hurricane at 11:00 p.m. EDT on August 25 at San Jose Island, and again early this morning at Copano Bay, TX. Harvey has since been downgraded to a Category 1. Prolonged heavy rains, flooding and storm surge are ongoing along the TX coast.

Local/State Activities:

Texas Water/Wastewater Agency Response Network (TXWARN) has initiated activity in response to Hurricane Harvey. The Public Works Response Team (stationed at the State Operations Center) is trying to assemble at least 4 teams of qualified operators with an understanding of water/wastewater utilities. These teams will "pre-deploy" to the Coast to provide assessment of the storm's effects on utilities through landfall and the immediate aftermath and relay that information back to the SOC in Austin.

Federal Activities:

FEMA Region 6:

NRCC: Level I (24/7); Watch: Steady State

Region VI IMAT-1: Deployed to LA EOC; IMAT-2: Deployed to TX EOC

LNOs deployed to TX and LA

FEMA HQ:

NRCC: Level I (24/7); NWC: Steady State

Several National IMAT Teams and other resources deployed to Austin, TX, Baton Rouge, LA, and elsewhere.

The National Infrastructure Coordination Center (NICC) has initiated twice daily national level impact reporting from Sector Specific Agencies.

The NICC held an Infrastructure Partners Conference Call at 1400 on 8/26/2017.

EPA Activities: Region 6:

FEMA activated EPA under its Emergency Support Function (ESF 10) on August 25. One federal On-Scene Coordinator has been deployed to FEMA Emergency Operations Center

in Denton, Texas and another OSC has been deployed to the State of Texas Operations Center in Austin, Texas.

EPA HQ:

Kevin Tingley will serve as the OW Staff Point of Contact for this incident through Wednesday 8/30. OW Management Reports will be distributed daily until further notice. The EPA HQ EOC has not yet been activated, but likely will be either on Sunday, 8/27 or on Monday, 8/28.

Drinking Water and Wastewater Impacts:

Due to conditions within the city caused by the destruction of Hurricane Harvey, a precautionary boil water notice has been issued by the City of Corpus Christi public water system to notify **326,000 customers** of the need to boil their water prior to consumption (washing hands/face, brushing teeth, drinking, etc.).

The City of Corpus Christi is also asking all residents to please reduce the use of their toilets and faucets. The request is a result of power outages at the Wastewater Treatment Plants.

Projected Impacts:

There are 821 drinking water treatment facilities and 172 wastewater treatment facilities located in zones which are estimated to possibly reach at least 3 feet of flooding over the next 5 days, per OCIA modeling (current as of 1800 EDT August, 25, 2017). There are 173 drinking water treatment and 17 wastewater treatment facilities within the 50 to 100 percent power outage zones. These facilities are likely to be without power until the local electric power distribution grid is back online, or until workers can safely enter the treatment plants, assess all damages, and safely operate the backup generators (assuming the plant has generators and they are operational). (DHS Office of Cyber and Infrastructure Analysis (OCIA) Report 8/25/2017)